Application/Control No.

Applicant(s)/Patent under Reexamination

10/632,713

TAKEDA ET AL.

Examiner

Regina Liang

2629

| √  | Rejected |
|----|----------|
| II | Allowed  |

|   | - | (Through numeral)<br>Cancelled |  |  |  |  |  |  |  |
|---|---|--------------------------------|--|--|--|--|--|--|--|
| - | + | Restricted                     |  |  |  |  |  |  |  |

| N | Non-Elected  | A |
|---|--------------|---|
| ı | Interference | 0 |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla                       | Claim Date  |  |          |          |              |  | Claim Date |  |                |                |       |       |          |          |          | Cla      | aim  | Date  |   |                 |          |       |       |            |                 |                 |          |          |          |          |          |                   |           |
|---------------------------|-------------|--|----------|----------|--------------|--|------------|--|----------------|----------------|-------|-------|----------|----------|----------|----------|--|---|---|-----------------|----------|-------|-------|------------|-----------------|-----------------|----------|----------|----------|----------|----------|-------------------|-----------|
|                           | <del></del> | ۱,,  |          |          |              |  |            |  |                |                |       |       | )<br>J   |          |          |          |  | Ì   |   |                 |          |       |       | <u> </u>   |                 |                 |          |          |          |          |          |                   |           |
| Final                     | Original    | 4/20/06  |          |          |              |  |            |  |                |                |       | Final | Original |          |          |          |  |   |   |                 |          |       | Final | Original   |                 |                 |          |          | -        |          | - 1      |                   |           |
| iĒ                        | Ę.          | 12   |          |          |              |  | l          |  |                |                |       | iĒ    | Ę        |          |          |          |  |   |   |                 |          |       | 這     | ř          |                 |                 |          | - 1      |          |          | l        |                   |           |
|                           |             | _  | L        | L        |              | L  |            |  |                |                |       |       |          |          |          | $\perp$  |  | 上   |   | Ш               | _        |       |       |            |                 |                 |          |          |          |          |          | $oldsymbol{\bot}$ |           |
|                           | 1           | ٧  |          |          |              |  |            |  |                |                |       |       | 51       |          |          |          |  |   |   |                 |          |       |       | 101        |                 |                 |          |          |          |          |          |                   |           |
|                           | 2           | 2  |          |          | $oxed{oxed}$ |  |            | L  | L              |                |       |       | 52       |          |          | $\perp$  |  |   |   |                 | _ :      |       |       | 102        |                 |                 |          |          |          |          |          | $\Box$            |           |
|                           | 3           | J  | _        | ╙        | <u> </u>     | ╙  | _          | 乚  | L              |                |       |       | 53       | Ш        |          | _        |  | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ |   | $\Box$          | _        |       |       | 103        |                 | Ш               |          |          |          |          |          | $ \bot $          | _         |
|                           | 4           | 2  |          | <u> </u> | _            |  |            |  | _              | Щ              |       |       | 54       | Ш        | $\perp$  |          | $\perp$  | $\perp$   | $\perp$                                 | Ш               | _        |       |       | 104        |                 | Ш               | _        | _        | _        |          | _        | $\dashv$          | _         |
|                           | 5           | 1  |          | _        | _            |  |            |  |                | Ш              |       |       | 55       | Ш        | _        | 4        | _  | ╀   | $\perp$                                 | $\sqcup$        | _        |       |       | 105        | Ш               | Ш               | _        | _        | _        | _        | _        | 4                 | _         |
| ļ                         | 6           | 2  | _        | ┡        | ₩            | _  |            | <u> </u>   | ⊢              | Ш              |       |       | 56       | H        | _        | _        |  | ╀   | ┦                                       | $\vdash$        | 4        |       |       | 106        | Н               | Ш               | _        | _        | $\dashv$ | _        | _        | $\dashv$          | _         |
| <u> </u>                  | 7           | 1  | _        | -        | -            | _  | _          | _  | ├              | Ш              |       |       | 57       | Н        | $\dashv$ | _        | _  | +   | $\perp$                                 | $\vdash$        | -        |       |       | 107        | Н               |                 | _        | _        | _        | _        | -        | $\dashv$          | 4         |
|                           | 8           | 1  | _        | _        | ┢            | ┝  |            | -  | ├-             | Н              |       |       | 58       | Н        | $\dashv$ | $\dashv$ |  | +   | -                                       | -               | -        |       |       | 108        | $\Box$          | Н               | -        | $\dashv$ | _        | -        | -        | $\dashv$          | 긕         |
|                           | 9           | $\vdash$   | ⊢        | ⊢        | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | ├              | Н              |       |       | 59       | Н        | $\dashv$ | -        |  | ╀   | -                                       | ┝               |          |       |       | 109        | -               |                 | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$          | $\dashv$  |
|                           | 10<br>11    | $\vdash$   | $\vdash$ | ⊢        | ┼            | ⊢  | $\vdash$   | -  | ├-             | Н              |       |       | 60       | Н        | $\dashv$ | $\dashv$ | +  | ╁   | +                                       | $\vdash \vdash$ | -        |       |       | 110        | Н               | $\vdash \vdash$ |          | $\dashv$ | $\dashv$ |          |          |                   | $\dashv$  |
| $\vdash$                  | 12          | $\vdash$   | -        | ├        | ┼─           | -  | -          | <del> </del>                                     | ├              | Н              |       |       | 61<br>62 | Н        | -        |          |  | ╫   | +                                       | $\vdash$        |          |       |       | 111        | Н               | $\vdash$        |          | -        | $\dashv$ |          | $\dashv$ | -                 | $\dashv$  |
| $\vdash$                  | 13          | $\vdash$   | $\vdash$ | -        | ┼─           | ├  | -          |  | $\vdash$       | Н              |       |       | 63       | $\vdash$ | $\dashv$ | $\dashv$ | +  | +   | +                                       | $\vdash$        | -        |       |       | 112<br>113 | Н               | $\vdash\vdash$  |          | $\dashv$ |          | -        | $\dashv$ | $\dashv$          | $\dashv$  |
| <u> </u>                  | 14          | -  | -        | $\vdash$ | +            | $\vdash$   | -          | $\vdash$   | $\vdash$       | Н              |       |       | 64       | $\vdash$ | $\dashv$ | ┰        | +  | +   | +                                       | $\vdash$        | -        |       |       | 114        | Н               | $\vdash$        |          |          | $\dashv$ | $\dashv$ | -        | $\dashv$          | ᅱ         |
| $\vdash$                  | 15          | _  | -        | ┝        | +-           | <del> </del>                                     | -          | $\vdash$   | $\vdash$       | Н              |       |       | 65       | $\vdash$ | -        |          | +  | +   | +                                       | $\vdash$        | -1       |       |       | 115        | $\vdash$        | -               |          |          | -        | -        | -+       | $\dashv$          | $\dashv$  |
| $\vdash$                  | 16          |  | -        | -        | +-           | -  |            |  | $\vdash$       | Н              |       |       | 66       |          | -        | $\dashv$ | +  | +   | 1                                       | $\vdash$        | $\dashv$ |       |       | 116        |                 | $\vdash$        |          |          | -        | $\dashv$ | -+       | $\dashv$          |           |
| $\vdash$                  | 17          | $\vdash$   | -        | $\vdash$ | +-           | <del>                                     </del> | <u> </u>   | -  | $\vdash$       | Н              |       |       | 67       | $\vdash$ | +        | $\dashv$ | +  | +   | +                                       | $\vdash$        | -        |       |       | 117        | $\vdash \vdash$ | $\vdash$        |          |          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$          | ᅱ         |
| $\vdash$                  | 18          |  | $\vdash$ | H        | <del> </del> | ┢  | $\vdash$   | <del>                                     </del> | 1              | H              |       |       | 68       | Н        | $\dashv$ | 十        | +  | +   | $\vdash$                                | $\vdash$        | -        |       |       | 118        | Н               | $\vdash$        | -        | $\dashv$ | -        | -        | -        | $\dashv$          | $\dashv$  |
|                           | 19          | H  | $\vdash$ | H        | $\vdash$     | -  |            | $\vdash$   | ┢              | Н              |       |       | 69       | H        |          |          |  | ╁   | +-                                      | $\vdash$        | -        |       |       | 119        |                 | $\vdash$        |          | $\dashv$ |          | _        | $\dashv$ | 十                 | $\dashv$  |
|                           | 20          |  | $\vdash$ | $\vdash$ | $\vdash$     | -  |            |  | -              | Н              |       |       | 70       |          | $\dashv$ | +        |  | +   | +                                       | $\vdash$        | $\dashv$ |       |       | 120        | $\Box$          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -+       | $\dashv$          | ᅥ         |
| _                         | 21          | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     | ┢  | $\vdash$   | $\vdash$   | $\vdash$       | Н              |       |       | 71       | $\Box$   | $\dashv$ | -        |  | +   | +                                       |                 | $\dashv$ |       |       | 121        |                 | $\vdash$        | $\dashv$ | $\dashv$ | $\neg$   |          | $\dashv$ | $\dashv$          | ᅥ         |
|                           | 22          | $\vdash$   | $\vdash$ | $\vdash$ | 1            | 一  |            | $\vdash$   | $\vdash$       | Н              |       |       | 72       | Н        | _        | $\dashv$ | ╅  | +   |   | $\vdash$        | 1        |       |       | 122        | $\vdash$        |                 | _        | $\neg$   | _        | $\dashv$ | $\dashv$ | 十                 | ᅥ         |
|                           | 23          | -  |          | $\vdash$ | T            | Т  |            | $\vdash$   | $\vdash$       |                |       |       | 73       | Н        | $\dashv$ | $\dashv$ | 1  | $\dagger$   |   |                 | ┪        |       |       | 123        |                 |                 |          | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$ | $\dashv$          | 一         |
|                           | 24          | Т  |          |          | T            | Т  | -          | 1  | $\vdash$       |                |       |       | 74       | Н        | $\dashv$ | $\dashv$ | +  | +   | 1                                       |                 | -        |       |       | 124        |                 |                 | _        | $\dashv$ | $\dashv$ | $\dashv$ | +        | $\dashv$          | 一         |
|                           | 25          | <del>                                     </del> |          |          | _            |  |            | Т  |                |                |       |       | 75       |          | 一        | _        |  | $\top$  | 1                                       | H               | $\dashv$ |       |       | 125        |                 | П               | ┪        | $\dashv$ |          |          | _        | 一                 | ᅥ         |
|                           | 26          |  |          |          | T            | Г  |            |  | $\vdash$       | -              |       |       | 76       | П        | 一        | 寸        |  | $\top$  |   | H               | 7        |       |       | 126        |                 |                 | ᅵ        |          |          | ┪        | 寸        | 一                 | ヿ         |
|                           | 27          |  |          |          |              |  |            |  |                |                |       |       | 77       | П        | T        | T        | T  | $\top$  |   |                 | $\dashv$ |       |       | 127        |                 | П               | 一        | $\neg$   | $\neg$   |          | $\neg$   | $\neg$            | コ         |
|                           | 28          | Г  |          |          |              | Γ  |            | П  | Π              |                |       |       | 78       | П        |          |          | T  | T   |   |                 |          |       |       | 128        |                 |                 |          |          |          |          | $\neg$   | $\neg$            | ヿ         |
|                           | 29          |  |          |          |              |  |            |  |                |                |       |       | 79       | П        |          |          |  | 7   |   |                 | 7        |       |       | 129        |                 |                 |          |          |          |          |          | $\neg$            |           |
|                           | 30          |  |          |          |              |  |            |  |                |                |       |       | 80       | П        |          |          |  | Т   |   |                 | 7        |       |       | 130        |                 |                 |          |          |          |          |          |                   | $\exists$ |
|                           | 31          |  |          |          |              |  |            |  |                |                |       |       | 81       |          |          | $\Box$   | $oldsymbol{ol}}}}}}}}}}}}$ | Ι   |   |                 |          |       |       | 131        |                 |                 |          |          |          |          |          |                   |           |
|                           | 32          |  |          |          |              |  |            | 匚  |                |                |       |       | 82       |          |          | $\Box$   |  |   |   |                 |          |       |       | 132        |                 |                 |          |          |          |          |          |                   |           |
| $ldsymbol{ldsymbol{eta}}$ | 33          | _  | _        |          | _            | $oxed{\Box}$                                     | $\Box$     |  | $\perp$        |                |       |       | 83       |          |          |          |  |   |   | Ш               |          |       |       | 133        |                 | $\Box$          |          |          |          |          | $\Box$   |                   |           |
| <u> </u>                  | 34          |  | <u> </u> | L        | _            |  | L.         | <u>L</u>   | _              | Ш              |       |       | 84       | Ш        | $\perp$  | _        |  | 1   |   |                 | _        |       |       | 134        | Ш               | Ш               | ]        |          |          | _]       | [        | $\Box$            |           |
|                           | 35          |  | _        |          | _            | _  | L_         | <u> </u>   | <u> </u>       | Ш              |       |       | 85       | Ш        | $\perp$  | $\perp$  | $\perp$  | _   | 1                                       | $\sqcup$        | _        |       |       | 135        | Ш               | Ш               |          |          |          |          |          | $\dashv$          |           |
| L                         | 36          | <u> </u>   | <u> </u> | _        | _            | <u> </u>   | _          | L  | <u> </u>       | Щ              |       |       | 86       | Ш        | $\perp$  | _        | _ _  | 4   | $\perp$                                 | Ш               | _        |       |       | 136        | Ш               | Ш               | _        | _        |          | _        | _        | $\dashv$          | ᆜ         |
|                           | 37          | <u> </u>   | <u> </u> | $\vdash$ | <u> </u>     | <u> </u>   | $\vdash$   | <u> </u>   | <del> </del>   | Ш              |       |       | 87       | Ш        | $\dashv$ | _        | 4  | 4   |   | $\sqcup$        | _        |       |       | 137        |                 | Щ               |          | _        |          | _        | _        |                   | _         |
| <u> </u>                  | 38          | <u> </u>   | _        | <u> </u> | <u> </u>     |  | $\vdash$   | L_   | <u> </u>       | Ш              |       |       | 88       | Ш        | $\dashv$ | 4        | $\bot$   | 4   | 1                                       | $\sqcup$        | _        |       |       | 138        | Ш               | Щ               | _        | _        |          |          | _        | $\dashv$          | $\dashv$  |
| <u> </u>                  | 39          | $\vdash$   | _        | $\vdash$ | $\vdash$     | <u> </u>   | <u> </u>   | <u> </u>   | <del> </del>   | Ш              |       |       | 89       | Н        | $\dashv$ | -        | 4  | 4   | -                                       | $\sqcup$        | _        |       |       | 139        | Ш               | $\square$       | _        | _        | $\Box$   | _        | $\dashv$ | $\dashv$          | $\dashv$  |
| <b> </b>                  | 40          | <u> </u>   | <u> </u> | $\vdash$ | $\vdash$     | _  |            | <u> </u>   | -              | Ш              |       |       | 90       | $\vdash$ | $\dashv$ | -        | - -  | +-  | -                                       | $\vdash \vdash$ | _        |       |       | 140        | Ш               | Ш               |          | _        | _        | _        |          | _                 | _         |
| <u> </u>                  | 41<br>42    | $\vdash$   |          | -        | ├-           | ├  | _          | _  | ├-             | -              |       |       | 91       | $\vdash$ | $\dashv$ | +        | +  | +   | $\vdash$                                | $\vdash \vdash$ | _        |       |       | 141        | Ш               | $\sqcup$        | $\dashv$ | $\dashv$ | _        | -        | $\dashv$ | $\dashv$          | 긕         |
|                           | 42          | ⊢  | _        | ⊢        | ⊬            | -  | $\vdash$   | $\vdash$   | ├-             | $\vdash\vdash$ |       |       | 92       | -        | +        | +        |  | ╁   | $\vdash$                                | $\vdash \vdash$ | -        |       |       | 142        | $\vdash \vdash$ | $\vdash \vdash$ |          | _        | $\dashv$ | $\dashv$ | $\dashv$ |                   | $\dashv$  |
| <u> </u>                  | 44          | <del> </del>                                     | _        | $\vdash$ | $\vdash$     | -  | Η.         | <del> </del>                                     | ├—             | $\vdash\vdash$ |       |       | 93<br>94 | Н        | $\dashv$ | +        |  | +-  | +-                                      | $\vdash$        | -[       |       |       | 143        | $\vdash$        | $\vdash$        |          | -        |          | $\dashv$ |          | -                 | $\dashv$  |
| <del>  -</del>            | 45          | $\vdash$   | <u> </u> | -        | ╁            | ├  | -          | -  | ⊢              | $\vdash$       |       |       | 95       | $\vdash$ | $\dashv$ | +        | +  | ╁   | +                                       |                 |          |       |       | 144<br>145 | $\vdash$        | $\vdash$        |          |          |          | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  |
| -                         | 46          | $\vdash$   | -        | <u> </u> | $\vdash$     | -  | $\vdash$   | $\vdash$   | ╁              | $\dashv$       |       |       | 96       | $\vdash$ | $\dashv$ | +        | +  | +   | +                                       | $\vdash$        | $\dashv$ |       |       | 146        | $\vdash\vdash$  | $\vdash$        |          |          |          |          | $\dashv$ | $\dashv$          | $\dashv$  |
|                           | 47          | $\vdash$   | $\vdash$ | _        | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | <del> </del>   | $\dashv$       |       |       | 97       | $\vdash$ | $\dashv$ | +        | +  | +   | +                                       | $\vdash$        | $\dashv$ |       |       | 147        | $\vdash$        | $\vdash$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  |
|                           | 48          | $\vdash$   | $\vdash$ | _        | $\vdash$     | -  | $\vdash$   | $\vdash$   | <del>  -</del> | $\dashv$       |       |       | 98       | $\vdash$ | $\dashv$ | +        | +  | +   | +                                       | $\vdash$        | $\dashv$ | iii l |       | 148        | Н               | $\vdash \vdash$ | $\dashv$ | $\dashv$ |          | $\dashv$ | -        | $\dashv$          | $\dashv$  |
|                           | 49          |  |          | -        | $\vdash$     | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$       | $\dashv$       |       |       | 99       | H        | $\dashv$ | +        | +  | +   | +                                       | $\vdash$        | -        |       |       | 149        | Н               | $\vdash$        | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$          | $\dashv$  |
| $\vdash$                  | 50          |  |          | -        | <u> </u>     | $\vdash$   |            | $\vdash$   | H              | $\dashv$       |       |       | 100      | $\vdash$ | $\dashv$ | +        | ╅  | +   | $\vdash$                                | $\vdash$        | -        | H     |       | 150        | $\vdash$        | -               | $\dashv$ | -        | -        | $\dashv$ | $\dashv$ | $\dashv$          | $\dashv$  |
| Ц                         | _ 50        | L  |          |          |              |  |            | Щ.   | Щ.             |                | ::::: |       | 100      |          |          |          |  |   | لــــــــــــــــــــــــــــــــــــــ | LLL             | _J:      | ::::  |       | 130        | لـــا           |                 | 1        |          |          |          |          |                   |           |